

Tuesday, July 04, 2017 11:20:44 AM

163631

Page 1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Stop *NS2*

Start Date: 7/26/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 8/8/2017 **Req'd Qty:** 1.00 *** 1 ***

Customer:

Reference:

Approvals: Process Plan: DAS 21 Date: JUL 04 2017 Tooling: _____ Date: _____
QC: 9-89 Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

[illegible]

Work Order ID 163631

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Page 2

Item ID: D206-642-312BL Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Acl Blue)
Start Date: 7/26/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 8/8/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: _____ Packaging Memo Identify and pack for shipping as per PPP D206-642-312 Location: _____ PPP Rev: _____ Sold	0.00 0.00							DAS 27 9-89
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.10							AUG 3 0 2017 DAS 21 9-89 AUG 3 n 2017 AUG 2 9 2017 AUG 2 n 2017 AUG 3 n 2017

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: J 05.10.11 Added D3429-1 per CHG004KJ/CP/JLM/EC
 IPP Rev:K 07-12-04 ECN 1080p DD verified by:ec
 IPP Rev:L 08-09-29 as per DSI9421 DD verified by: EC IPP
 Rev:M 09-03-02 as per DSI9440 rev.a verified by:EC
 IPP Rev:N 09-03-03 as per DSI9421 rev.b verified by:EC IPP Rev:O
 as per REV.N DD 10.04.19 verified by:EC IPP Rev:P 14.04.25
 ECN14-520 DD verf:JLM IPP REV:Q 15.10.09 ADDED
 BL DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-41A *AN3-41A* Bolt		Purchased	No			110	Each	86.0000	8	8		JUL 25 2017	DAS 6 9-89 DAS 27 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG				20					
				122416				20		138084			
				ST347				66					
				m137544				66					
AN4-6A *AN4-6A* BOLT		Purchased	No			110	Each	551.0000	12	12		JUL 25 2017	DAS 6 9-89 DAS 27 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST345				551					
				M137464				551		12			
AN4C5A *AN4C5A* Bolt		Purchased	No			110	Each	45.0000	1	1		JUL 25 2017	DAS 6 9-89 DAS 27 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP001				38					
				m133990				38		138040			
				ST345				7					
				m137164				7					

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Work Order ID: 163631

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Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

AN5-10A Purchased No 110 Each 275.0000 4 4

AN5-10A

Bolt

**

DAS
6
9-89

DAS
27
9-89

JUL 25 2017

Location

Loc Qty

Loc Code

GA 29
122800 29
over003 200
m137680 50
m137886 150
ST338 46
m137544 46

DAS
28
9-89

AN5-11A Purchased No 110 Each 105.0000 8 8

AN5-11A

BOLT

**

DAS
6
9-89

DAS
27
9-89

JUL 25 2017

Location

Loc Qty

Loc Code

over003 100
M137710 100
ST338 5
M137507 5

DAS
26
9-89

AN5-12A Purchased No 110 Each 16.0000 4 4

AN5-12A

Bolt

**

DAS
6
9-89

DAS
27
9-89

JUL 25 2017

Location

Loc Qty

Loc Code

ST338 16
m137680 16

DAS
28
9-89

D206-642-341BL Manufactured No 110 Each 0.0000 1 1

***D206-642-341RI ***

Replacement Skidtube (Fits LH or RH)

**

DAS
27
9-89

D206-648-013BL Manufactured No 110 Each 0.0000 1 1

***D206-648-013RI ***

Ground Handling Wheel Modification

**

DAS
6
9-89

DAS
27
9-89

164846 AUG 24 2017

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

D2652

Manufactured No

110

Each

342.0000

16

16

D2652

Bushing

**

AUG 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

44

31985

44

ST009

298

161518

298

163857

D2712

Manufactured No

110

Each

234.0000

10

10

D2712

Set Screw

**

DAS
6
9-89

JUL 25 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

50

29962

50

ST010

184

161464

174

89929

10

10

D2932-2BL

Manufactured No

110

Each

5.0000

1

1

***D2932-2RI ***

Saddle RH Out, 206

**

AUG 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST389

5

161259

5

161585

D2933-2BL

Manufactured No

110

Each

14.0000

1

1

***D2933-2RI ***

Saddle RH In, 206

**

AUG 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST390

14

161260

4

161587

10

1

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

D2934

Manufactured No

110

Each

64.0000

2

2

D2934

Saddle Spacer

**

DAS
6
JUL 25 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

6

31929

6

ST014

58

161523

58

D2935

Manufactured No

110

Each

66.0000

2

2

D2935

Saddle Spacer

**

DAS
6
JUL 25 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

6

31793

6

ST014

60

161524

60

D2938-2BL

Manufactured No

110

Each

17.0000

1

1

***D2938-2RI ***

Saddle RH Out, 206

**

DAS
6
AUG 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST391

17

161261

5

161589

12

D2939-2BL

Manufactured No

110

Each

15.0000

1

1

***D2939-2RI ***

Saddle RH In, 206

**

DAS
6
AUG 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST392

15

161262

3

161591

12

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Work Order ID: 163631

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Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

D3407-043 Manufactured No

110 Each 29.0000 1 1

D3407-043

Tow Ring

**

DAS
28
9-89

Location

Loc Qty

Loc Code

st530	29	
153708	3	
159457	10	
161525	16	

AUG 28 2017

DAS
27
9-89

BLUE

D3413-1

Manufactured No

110 Each 51.0000 1 1

D3413-1

O-Ring

**

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001	2	
145648	2	
st530	49	
153479	4	
155256	12	
159722	15	
161595	18	

AUG 01 2017

DAS
27
9-89

BLUE

D3456-1

Manufactured No

110 Each 121.0000 1 1

D3456-1

Washer

**

DAS
28
9-89

Location

Loc Qty

Loc Code

FG	6	
25701	6	
ST036	115	
159500	19	
162291	96	

JUL 25 2017

DAS
27
9-89

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

D206-642-312BL

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

D3457-1

Manufactured No

110

Each

38.0000

2

2

D3457-1

Washer

**

DAS
6
9-89

JUL 25 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

10

32409

10

ST036

28

160979

28

2

MS21042L3

Purchased

No

110

Each

1,421.000

8

8

MS21042L3

Nut

**

DAS
6
9-89

JUL 25 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

79

m135945

79

GA

394

m134360

102

M136665

292

OVER007

500

m134360

0

m137886

500

1

ST303

448

m137680

448

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Work Order ID: 163631

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Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

1,971.000

12

12

MS21042L4

Nut

**

JUL 25 2017

DAS 27
6 9-89

DAS 28
9-89

Location

Loc Qty

Loc Code

FP001

10

m133363

10

GA

51

m135058

51

OVER007

1400

m137402

400

m137680

1000

ST303

510

m137544

510

MS21043-4

Purchased

No

110

Each

750.0000

1

1

MS21043-4

Nut

**

JUL 25 2017

DAS 2
6 9-89

DAS 28
9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

99

m132803

5

m137371

94

OVER007

300

m137886

300

ST302

311

m137361

111

m137371

200

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

***D206-642-312RI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0463R

Purchased

No

110

Each

357.0000

1

1

NAS1149C0463R

Washer

**

JUL 25 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

25

m127306

25

ST260a

200

m137736

200

ST266

132

m136263

132

NAS1149D0363J

Purchased

No

110

Each

647.0000

8

8

NAS1149D0363J

Washer

**

JUL 25 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

43

m134055

13

m137164

30

ST263

604

m137587

604

NAS1149D0463J

Purchased

No

110

Each

3,453.000

24

24

NAS1149D0463J

Washer

**

JUL 25 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

40

M135056

40

ST260a

2000

M137699

2000

ST263

1413

M137371

1413

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Work Order ID: 163631

163631

Parent Item: D206-642-312BL

***D206-642-312BI ***

Parent Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017

Required Date: 8/8/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0563J

Purchased

No

110

Each

1,628.000

8

8

NAS1149D0563.J

**

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA	108	
m135774	108	
ST260a	700	
m137820	700	
ST263	820	
m137587	820	

JUL 25 2017
DA
6
9-F

DAS
27
9-89

8

Work Order ID 163631***163631***

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Tuesday, July 04, 2017 11:20:44 AM

Item ID: D206-642-312BL

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Skidtube RH, Low & High Gear with Standard Wearplates (Ael Blue)

Start Date: 7/26/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/8/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Run Start ***NR1***

Approvals: Process Plan: _____ Date: JUL 04 2017

Tooling: _____

Date: _____

Stop ***NR2***

QC: _____ Date: _____

SPC (Y/N): _____

Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

JUL 24 2017

IIN-D206-642

Q

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D206-642-312 CHG008

DAS
5
9-89

JUL 31 2017

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.03

Quality Control

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA00475SE

This certificate, issued to

Dart Aerospace USA, Inc.
190 S. Danebo Ave.
Eugene, OR 97402

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 27 of the Federal Aviation Regulations.

Original Product—Type Certificate Number: H2SW
Make: Bell
Model: 206, 206A, 206A-1, 206B, 206B-1, 206L, 206L-1, 206L-3, 206L-4, and 407

Description of the Type Design Change: Replacement of the original landing gear skid tubes and saddles with DART Aerospace Model D206-642 skid tubes and saddles fabricated in accordance with DART Aerospace Master Drawing List No. MDL-D206-642, Revision Q, dated March 8, 2007, or later Federal Aviation Administration (FAA) approved revision, and installed in accordance with DART Aerospace Installation Instructions No. D206-642, Revision K, dated September 25, 2006, or later FAA-approved revision. These skid tubes and saddles must be maintained in accordance with DART Aerospace Instructions for Continued Airworthiness ICA-D206-642, Revision 0, dated March 7, 2007, or later FAA-accepted revision.

Limitations and Conditions: Approval of this change in type design applies to the above model rotorcraft only. This approval should not be extended to other rotorcraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that rotorcraft. A copy of this certificate must be maintained as part of the permanent records for the modified rotorcraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 22, 1997

Date reissued: October 28, 2015

Date of issuance: October 23, 1997

Date amended: April 20, 2007



By direction of the Administrator

Sanclun Brown
(Signature)

for Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

4.5 206 L/L-1/L-3/L-4/407 LOW & HIGH GEAR SKIDTUBES

ITEM	QTY -311	QTY -312	QTY -313	QTY -314	QTY -341	QTY -357	QTY -349	QTY -351	QTY -013	PART NUMBER	DESCRIPTION
	X									D206-642-311	SKIDTUBE INSTALLATION, LH
		X								D206-642-312	SKIDTUBE INSTALLATION, RH
			X							D206-642-313	SKIDTUBE INSTALLATION, LH
				X						D206-642-314	SKIDTUBE INSTALLATION, RH
1	1	1			X					D206-642-341	SKIDTUBE
						X				D206-642-357	WEARSHOE KIT (REPLACES -347)
							X			D206-642-349	RUN-ON LANDING WEARPLATE KIT
			1	1				X		D206-642-351	SKIDTUBE
1	1	1	1	1					X	D206-648-013	GROUND HANDLING KIT
1					1					D2650-5	SKIDTUBE ASSEMBLY
1								1		D4361-041	SKIDTUBE ASSEMBLY
2A					14			4		D2651-1	* PLUG ⁽¹⁾
2B					14			4		D2651-3	* O-RING ⁽¹⁾
3					1			1		D2646	* AFT CAP ⁽¹⁾
4					2			2		MS27039-1-08	* SCREW ⁽¹⁾
5					2			2		NAS1149D0332J	* WASHER ⁽¹⁾ (OR AN960JD10L)
6	1		1							D2932-1	SADDLE, FWD OUT, LH
6		1		1						D2932-2	SADDLE, FWD OUT, RH
7	1		1							D2933-1	SADDLE, FWD IN, LH
7		1		1						D2933-2	SADDLE, FWD IN, RH
8	1		1							D2938-1	SADDLE, AFT OUT, LH
8		1		1						D2938-2	SADDLE, AFT OUT, RH
9	1		1							D2939-1	SADDLE, AFT IN, LH
9		1		1						D2939-2	SADDLE, AFT IN, RH
10	8	8	8	8						AN3-41A	BOLT
11	16	16	16	16						D2652	BUSHING
12A	8	8	8	8						MS21042-3	NUT (OR MS21042L3)
12B	8	8	8	8						NAS1149D0363J	WASHER (OR AN960JD10)
13	4	4	4	4						AN5-10A (OR AN5-11A)	* BOLT ⁽²⁾
14	4	4	4	4						AN5-11A (OR AN5-12A)	* BOLT ⁽²⁾
15	8	8	8	8						NAS1149D0563J	WASHER (OR AN960JD516)
16	12	12	12	12						AN4-6A	BOLT
17	24	24	24	24						NAS1149D0463J	WASHER (OR AN960JD416)
18	12	12	12	12						MS21042-4	NUT (OR MS21042L4)
20A					6	6				D3537-1	WEARPAD (REPLACES D2648-3)
21A					1	1				D3537-3	WEARPAD (REPLACES D3429-1)
22A					1	1				D4956-11	WEARSHOE (REPLACES D3535-11 + D3536-11)
23A					1	1				D4956-23	WEARSHOE (REPLACES D3535-23 + D3536-23)
24A					1	1				D4956-35	WEARSHOE (REPLACES D3535-35 + D3536-35)
26A					54	54				MS27039C1-08	SCREW
26B					54	54				NAS1149C0332R	WASHER (OR AN960C10L)
26C					54					ALS7-1032-130	* INSERT ⁽¹⁾ (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
30	1	1	1	1						D3407-043	TOW RING ASSEMBLY (REPLACES D2968-043)
32A	1	1	1	1						D3456-1	WASHER
32B	2	2	2	2						D3457-1	WASHER
33	1	1	1	1						MS21043-4	NUT
34	1	1	1	1						AN4C5A	BOLT
35	1	1	1	1						NAS1149C0463R	WASHER (OR AN960C416)
36	1	1	1	1						D3413-1	RING (REPLACES D2655)
37	10	10	10	10						D2712	SET SCREW
38	2	2	2	2						D2934	SADDLE SPACER
39	2	2	2	2						D2935	SADDLE SPACER
40									2	D3414-041	GHW LUG (REPLACES D2659)
41									4	AN3C37A	BOLT
42									8	D2652	BUSHING
43									4	MS21043-3	NUT
44									4	NAS1149C0363R	WASHER (OR AN960C10)

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